

Name Terry JonesDate _____ Period 2nd3rd
~~2nd~~

Day 1-Solving One step Equations

Solve each equation.

1) $2 = p - 1$

2) $n - (-10) = 2$

3) $-5 - v = 1$

4) $-32 = -16 + n$

5) $-5 = \frac{b}{7}$

6) $-5 = \frac{-9 + r}{4}$

7) $-1 = \frac{-9 + x}{8}$

8) $-3 = \frac{x - 4}{3}$

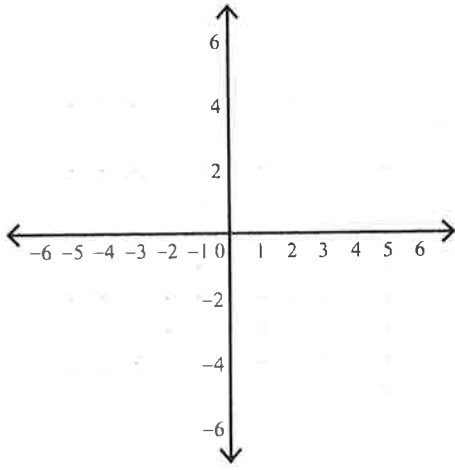
9) $-4 - 6a = 14$

10) $\frac{-9 + v}{2} = -10$

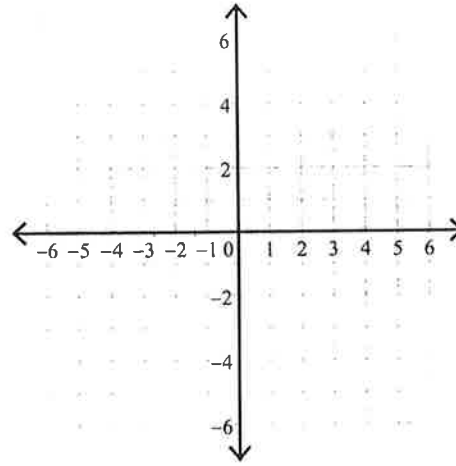
Day 2--Slope: y-intercept:

Sketch the graph of each line.

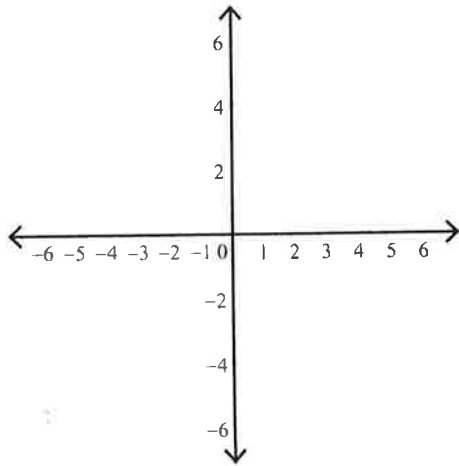
1) x-intercept = -1 , y-intercept = -4



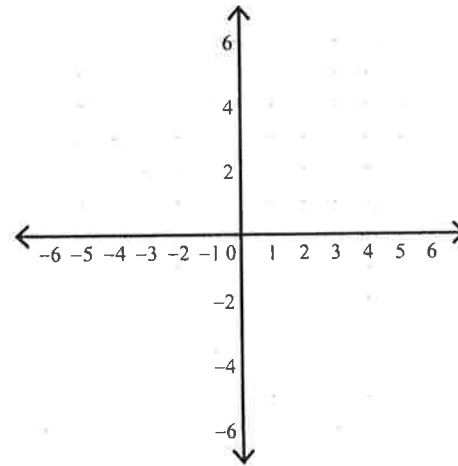
2) x-intercept = -5 , y-intercept = 2



3) x-intercept = 5 , y-intercept = 4



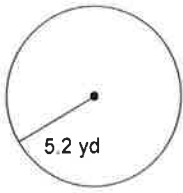
4) x-intercept = 2 , y-intercept = 2



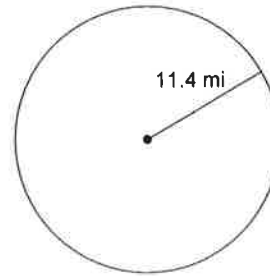
Day 3--Area, Circumference

Find the area of each. Round to the nearest tenth.

1)



2)



3) radius = 6.1 mi

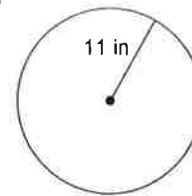
4) radius = 7 m

Find the circumference of each circle. Round to the nearest tenth.

5)

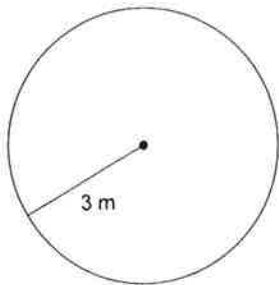


6)

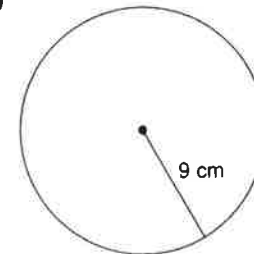


Find the diameter of each circle. Round to the nearest tenth.

7)

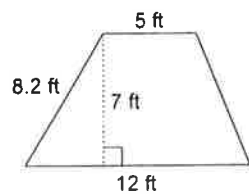


8)

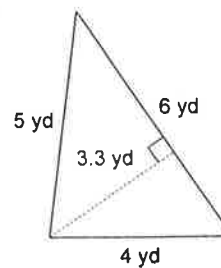


Find the area of each.

9)



10)



Day 4--Expression and Equations

Evaluate each using the values given.

1) $p^2 + q$; use $p = 3$, and $q = 1$

2) $(x - y) \div 2$; use $x = 6$, and $y = 4$

3) $z + x - z$; use $x = 5$, and $z = 5$

4) $yx + y$; use $x = 4$, and $y = 3$

5) $5 - x - y \div 4$; use $x = 1$, and $y = 4$

6) $xz + 3y$; use $x = 4$, $y = 5$, and $z = 4$

Simplify each expression.

7) $4(1 + 4n) + 3$

8) $5n(1 + n) + 5n^2$

9) $5(10n + 1) + 5n$

10) $-6x(7x + 8) + 3x$

Day 5-Graphing Slope

Write the slope-intercept form of the equation of the line through the given points.

1) through: $(0, -3)$ and $(3, -4)$

2) through: $(5, 2)$ and $(0, -3)$

Write the slope-intercept form of the equation of each line.

3) $5x + y = -8$

4) $3x + y = -6$

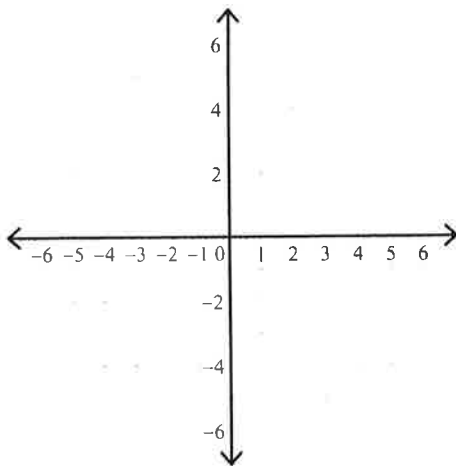
Write the slope-intercept form of the equation of each line given the slope and y-intercept.

5) Slope = -1 , y-intercept = 3

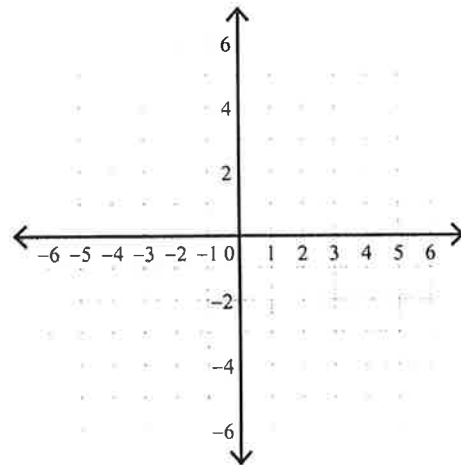
6) Slope = $-\frac{7}{3}$, y-intercept = 3

Sketch the graph of each line.

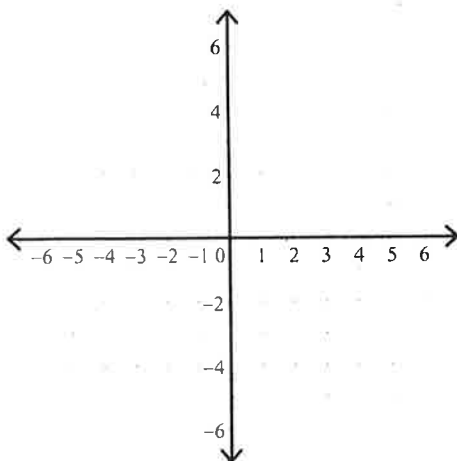
7) $y = -4x - 2$



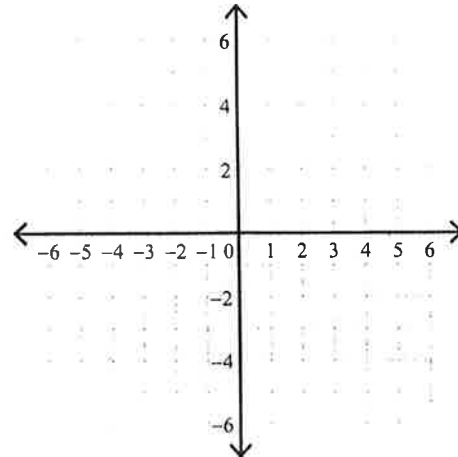
8) $y = -\frac{1}{4}x - 3$



9) $x - y = -5$



10) $x + y = 5$



Snow Packet Day 1 - Evaluating Expressions

Date _____ Period 6th**Evaluate each expression.**

1) $3 - 6 - 5 - 7$

2) $2 + 3 + (-5) - (-5)$

3) $(-4) + (-2) + 7 - 2$

4) $(-8) - 2 + (-6) + 6$

5) $(-5.2) + (-3.5)$

6) $(-6.5) - (-3.1)$

7) $(-5) - 5.27$

8) $(-1) + 4.7$

Evaluate each using the values given.

9) $b + c + a$; use $a = 1$, $b = 5$, and $c = 5$

10) $a(b + b)$; use $a = 2$, and $b = 4$

11) $1 + pq$; use $p = 5$, and $q = 3$

12) $n \div 4 + m$; use $m = 1$, and $n = 4$

13) $x(x - y)$; use $x = 6$, and $y = 2$

14) $z^3 + y$; use $y = 1$, and $z = 1$

Snow Packet Day 2-Combining Like Terms

Date _____ Period _____

Simplify each expression.

1) $-9 + 6n + 7$

2) $5p + 8p$

3) $8x + 3x$

4) $-7n + 8 - 7n - 10$

5) $6 - 6k - 10 - 9k$

6) $5n + 4n$

7) $-2(4 - 4x) + 4$

8) $6(-2x + 10) - 2$

9) $5 + 9(3 + 6r)$

10) $2(9 - 10x) + 5x$

Snow Packet Day 3-Rounding

Write the name of each decimal place indicated.

1) 7.45692) 8.5333) 281.6704) 9,5115) 1.55876) 5.6727

Round each to the place indicated.

7) 60,391,659; ten thousands

8) 6,143.60; tens

9) 6.2780; hundredths

10) 65.09747; ten-thousandths

11) 995.51; hundreds

12) 91.12206; thousandths

Snow Packet Day 4 - Decimals

Find each product.

1) -7.7×-4.1

2) -3×0.8

3) -2.2×9.71

4) -0.3×9.6

5) -1.9×6.09

6) -9.4×-1.84

Find each quotient.

7) $7.3 \div 9.8$

8) $-1.8 \div 2.8$

9) $-7.8 \div 6.4$

10) $-8.1 \div 0.5$

11) $-8.4 \div 4$

12) $-8.4 \div 0.12$

Evaluate each expression.

13) $(-6.4) + (-0.6)$

14) $(-7.4) + (-4.4)$

15) $(-4.8) - 1.9$

16) $2.7 - 0.8$

17) $(-1.4) - 3.4$

18) $3.6 + (-3.8)$

Snow Packet Day 5-Equations

Solve each equation.

1) $-8a = -120$

2) $13v = -221$

3) $108 = 9m$

4) $\frac{a}{14} = 9$

5) $-16 = \frac{n}{10}$

6) $6 = r - 5$

7) $\frac{n}{9} + 8 = 10$

8) $\frac{m-8}{3} = 3$

9) $2 = \frac{n+8}{10}$

10) $\frac{n+9}{11} = 2$

11) $10r + 5 = -5$

12) $28 = 2r + 10$

Day 1-Solving One step Equations

Solve each equation.

1) $v - (-18) = -1$

2) $-9 = \frac{a}{11}$

3) $-16 = 16n$

4) $-28 = 4a$

5) $-6 = 2k$

6) $1 = x - 8$

7) $6 = m + 5$

8) $\frac{v}{12} = 18$

9) $1 = 17 - n$

10) $4 = n - (-15)$

Day 2 Combining Like Terms/Distribution

Simplify each expression by combining like terms.

1) $-1 - 6a - 7$

2) $4 + 8p + 1 - 2p$

3) $8n - n$

4) $-5a - 8a$

Simplify each expression.

5) $3(1 + 7v)$

6) $-3(-9 - 4b)$

7) $-(-9n + 3)$

8) $7(6v + 10)$

9) $7k - 2(6 - 9k)$

10) $-1 + 10(2 + 5k)$

Day 3-Solving Two step Equations

Solve each equation.

1) $\frac{n-6}{3} = 4$

2) $7 = \frac{5+n}{3}$

3) $3 = 4 + \frac{b}{9}$

4) $\frac{r}{8} + 1 = 2$

5) $\frac{m-5}{2} = -11$

6) $\frac{n+7}{5} = -2$

7) $\frac{7+x}{9} = -1$

8) $10 + \frac{x}{8} = 8$

9) Half of your baseball card collection got wet and was ruined. You bought 11 cards to replace some that were lost. How many did you begin with if you now have 37?

10) The sum of three consecutive even numbers is 36. What are the smallest of these numbers?

Day 4--Expression and Equations

Evaluate each using the values given.

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6) $xz + 3y$; use $x = 4$, $y = 5$, and $z = 4$

Simplify each expression.

7) $4(1 + 4n) + 3$

8) $5n(1 + n) + 5n^2$

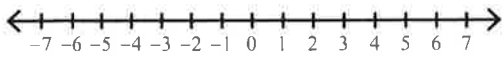
9) $5(10n + 1) + 5n$

10) $-6x(7x + 8) + 3x$

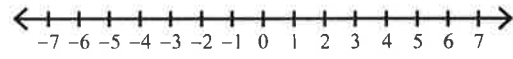
Day 5-Graphing Inequality

Draw a graph for each inequality.

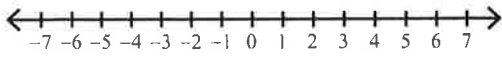
1) $n > 4$



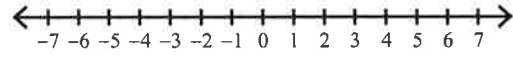
2) $p \geq -4$



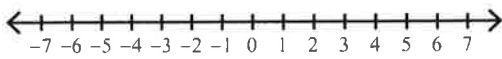
3) $p \geq -6$



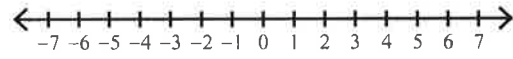
4) $m \leq -1$



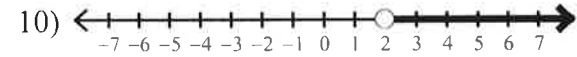
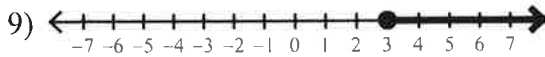
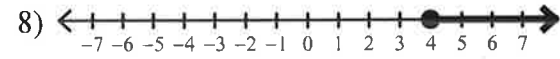
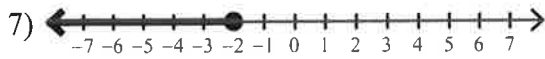
5) $n \leq -5$



6) $x \geq 3$

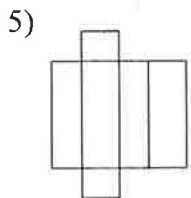
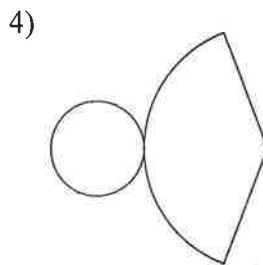
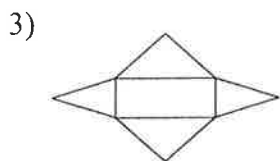
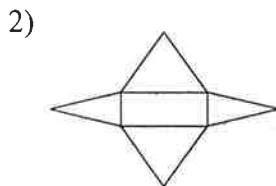
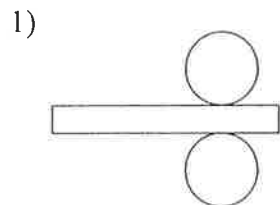


Write an inequality for each graph.

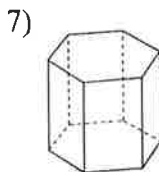
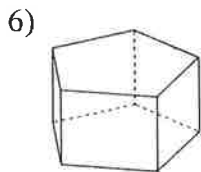


Day 2--Three Dimensional Figures

Identify each solid given its net.



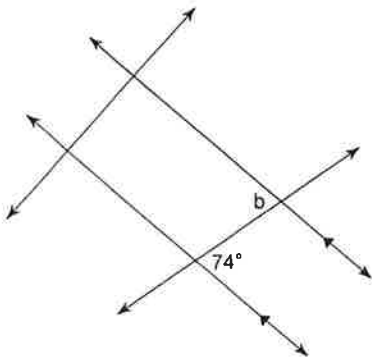
Sketch the net of each solid.



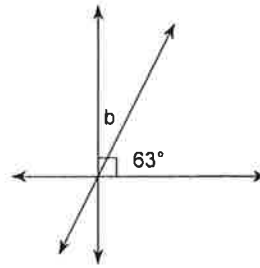
Day 1--Angle Relationships

Find the measure of angle b.

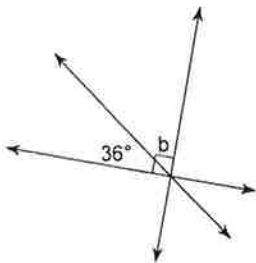
1)



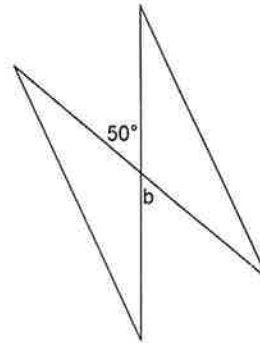
2)



3)

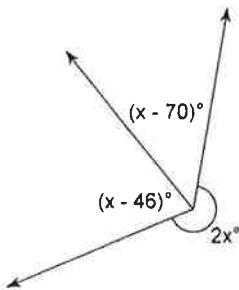


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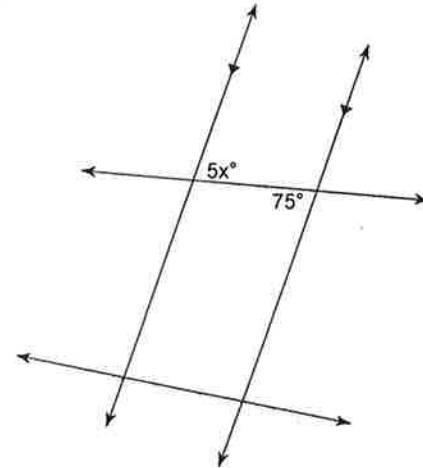


Find the value of x.

5)



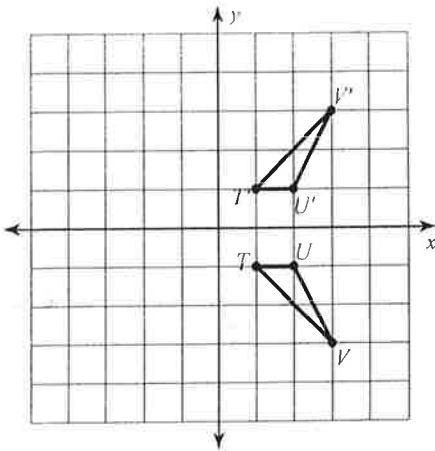
6)



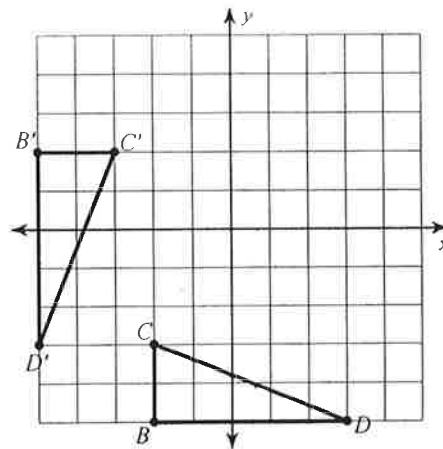
Day 3--Transformations

Write a rule to describe each transformation.

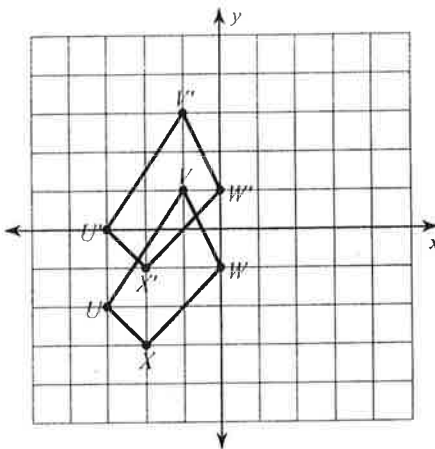
1)



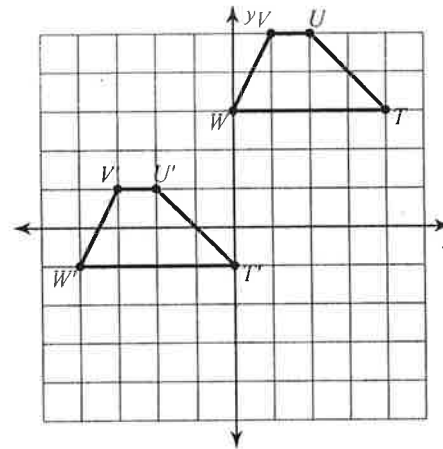
2)



3)



4)



5) $S(0, -3), R(1, 1), Q(5, 0), P(1, -4)$

to

$S'(-1, -1), R'(0, 3), Q'(4, 2), P'(0, -2)$

6) $U(-4, 1), V(-5, 5), W(-2, 1)$

to

$U'(1, 4), V'(5, 5), W'(1, 2)$

7) $Y(0, -2), X(0, -1), W(5, -1), V(4, -4)$

to

$X'(0, -1), W'(-5, -1), V'(-4, -4), Y'(0, -2)$

8) $A(-1, -2), B(0, 3), C(4, -1)$

to

$B'(0, 3), C'(-4, -1), A'(1, -2)$

Find the coordinates of the vertices of each figure after the given transformation.

9) translation: 2 units right and 3 units down

$D(3, 1), C(-1, 3), B(0, 2), A(-1, -2)$

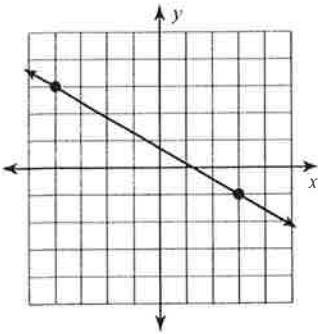
10) rotation 180° about the origin

$K(-1, -3), L(0, 0), M(4, 1), N(4, -3)$

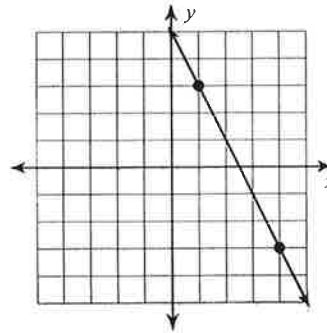
Day 4-Slope and Equations of Lines

Find the slope of each line.

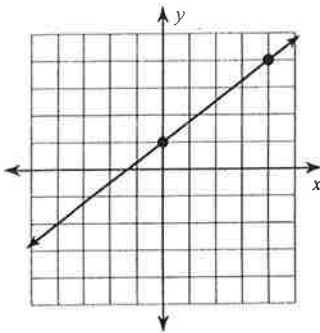
1)



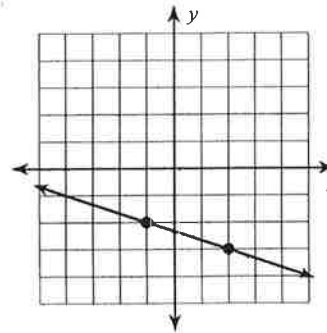
2)



3)



4)



5) $y = 2x + 4$

6) $y = -5x - 2$

7) $y = -\frac{3}{2}x - 5$

8) $y = -\frac{10}{3}x + 5$

Find the slope of a line perpendicular to each given line.

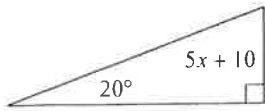
9) $y = -\frac{1}{4}x - 1$

10) $y = 3x + 5$

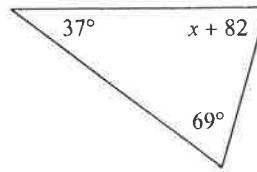
Day 5-Angles of Triangles

Solve for x .

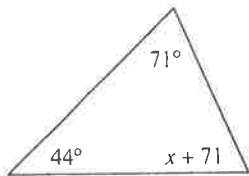
1)



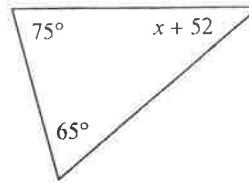
2)



3)

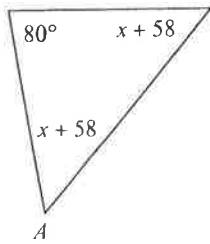


4)

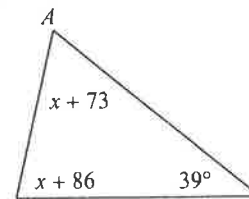


Find the measure of angle A.

5)



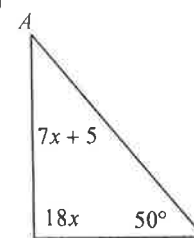
6)



7)

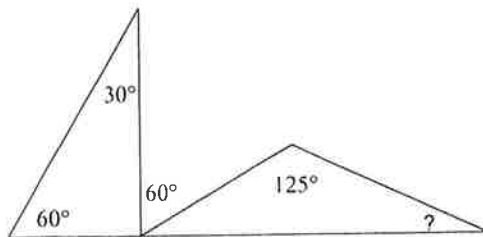


8)



Find the measure of each angle indicated.

9)



10)

