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Name	
TAME	

1) Find the value of x + 4 if x = 12.

2) When x = 3 and y = 5, by how much does the value of $3x^2 - 2y$ exceed the value of

$$2x^2 - 3y?$$

$$3(3)^{2} - 2(5)$$

$$27 - 10 = 17$$

$$2(3)^{2} - 3(5)$$

$$18 - 15 = 3$$

16.

3) Solve for x if 5x + 8 = 16.

$$\frac{5\times 7}{5} = \frac{8}{5}$$

4) Solve for x if 4(x + 4) - 8 = 16.

$$\stackrel{\frown}{\text{(B)}}$$
 2

$$\frac{4(x+4)}{4} = \frac{24}{4}$$

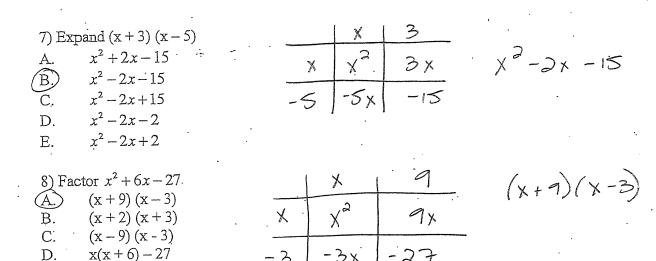
$$X+4=6 \qquad X=2$$

$$X = a$$

5) What is the slope of the line that goes through the points (6, 3) and (5, -2)?

$$\frac{y_{3}-y_{1}}{y_{3}-x_{1}}=\frac{-3-3}{5-6}=\frac{-5}{-1}=5$$

6) The line
$$y = -4x + 2$$



9) What mathematical expression fits the following:

 $x^2 + 3(2x - 9)$

A rental car company charges a rental fee of \$20 per day and \$0.60 a mile.

10) If
$$f(x) = 3x^2 - 5x + 12$$
, find $f(4)$

A. 4

B. 136

C. 178

D. $4x$

E. 40

11) A car averages 27 miles per gallon. If gas costs \$4.04 per gallon, how much would the gas would cost for this car to travel 2727 miles?

А. В.	\$44.44 \$109.08	2727 miles = 101	gallow x 4,04
C.	\$118.80	27 miles	= \$408.04
C.	\$408.04	galler	= 9700.01
É.	\$444.40	~	

12) Sales for a business were 3 million dollars more the second year than the first, and sales for the third year were double the sales for the second year. If sales for the third year were 38 million dollars, what were sales, in million of dollars, for the first year?

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A)
$$16$$
B. 17.5
C. 20.5
D. 22
E. 35

$$17, ----, \infty = X + 3, \infty$$

$$-3, \infty$$