

## Assignment #2

Date \_\_\_\_\_ Period \_\_\_\_\_

Write each as an algebraic expression.

1)  $x$  increased by 10

2) 18 decreased by 11

3) the quotient of 56 and  $x$ 4)  $m$  more than 55) the quotient of 44 and  $r$ 6) the quotient of  $n$  and 57)  $a$  increased by 128) 10 increased by  $x$ 

Evaluate each expression.

9)  $(3 - 1) \div 2$

10)  $(4 \times 2) \div 2$

$$11) (4 - 3)^2$$

$$12) (13 - 3) \div 5$$

$$13) 4^3 - 6$$

$$14) (7 + 1) \div 4$$

$$15) 4 - (6 - 5)$$

$$16) 12 \div (2 \times 3)$$

$$17) 5 - 2 - 1$$

$$18) (5 - 2) \times 5$$

Solve each equation.

$$19) -7x + 4(7x - 4) = -163$$

$$20) x - 5(4 - 3x) = 108$$

$$21) -7(-2r + 8) = -140$$

$$22) 8(m + 3) = 88$$

$$23) -6(3n + 5) + 1 = -101$$

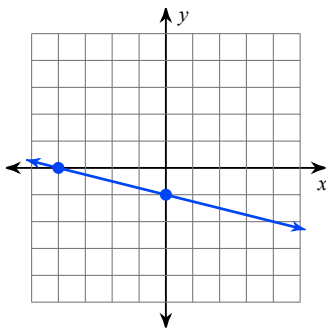
$$24) -96 = -6(x + 8)$$

$$25) 232 = -8(-8 - 3x)$$

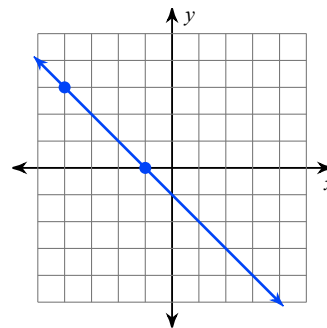
$$26) -150 = 6(4p + 7)$$

Find the slope of each line.

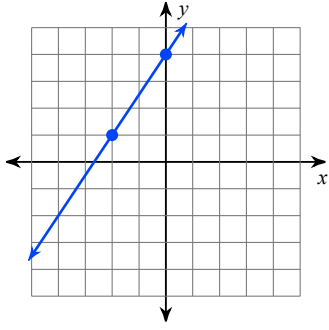
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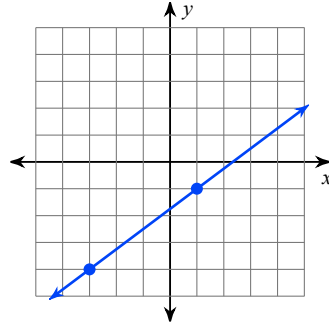
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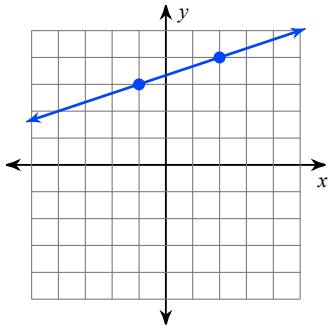
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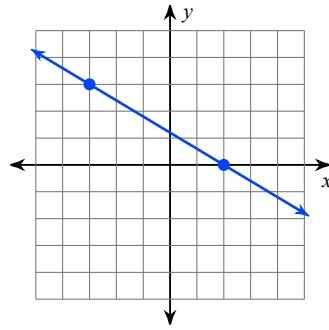
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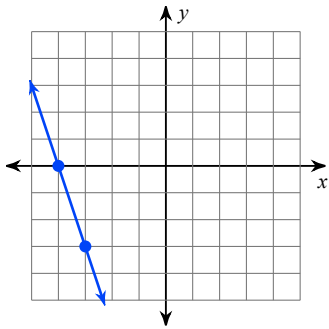
31)



32)



33)



34)

