

Geometry SCP Summer Assignment

Date _____ Period _____

Solve each equation.

1) $-4x - 2(7x + 2) = 86$

2) $-8x - 7(x + 4) = 92$

3) $3(1 - 8n) + 1 = 100$

4) $-8(-6 + 6n) = -144$

5) $-(1 - 4v) + 6v = -81$

6) $2(6m + 2) = -92$

7) $-3(-8 - 4x) - 5 = 115$

8) $7(2 + 4k) = 126$

9) $-5(3n + 7) = -95$

10) $-8(7x + 1) = -288$

Solve each proportion.

11) $\frac{7}{3} = \frac{v}{9}$

12) $\frac{r}{10} = \frac{3}{9}$

13) $\frac{a}{6} = \frac{6}{5}$

14) $\frac{n}{9} = \frac{9}{3}$

15) $\frac{4}{b} = \frac{6}{8}$

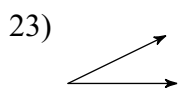
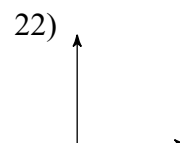
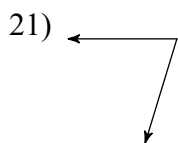
16) $\frac{10}{5} = \frac{4}{3x}$

17) $\frac{x}{6} = \frac{6}{9}$

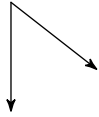
18) $\frac{2}{v} = \frac{7}{8}$

19) $\frac{6}{x} = \frac{5}{10}$

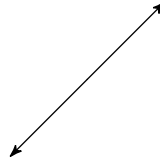
20) $\frac{7}{k} = \frac{6}{4}$

Classify each angle as acute, obtuse, right, or straight.

24)

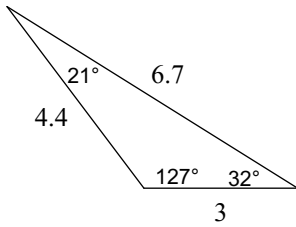


25)

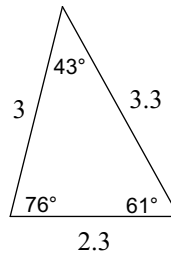


Classify each triangle by its angles.

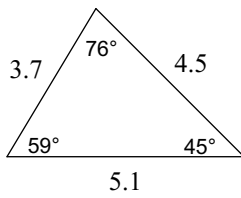
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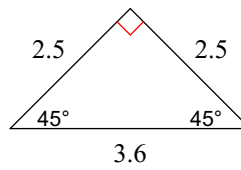
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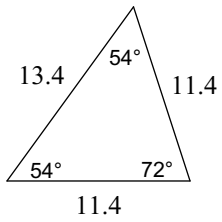
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29)

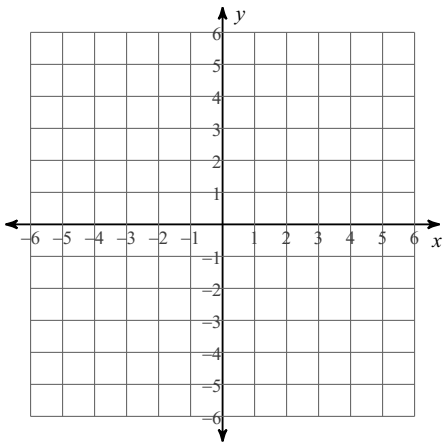


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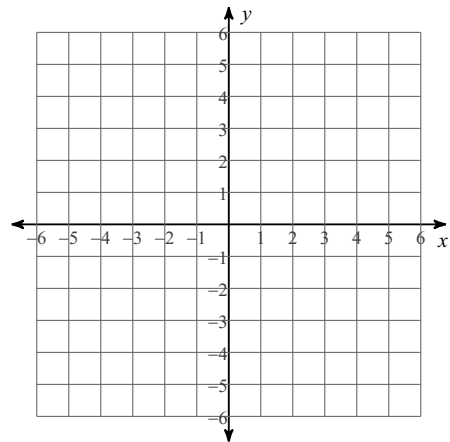


Sketch the graph of each line.

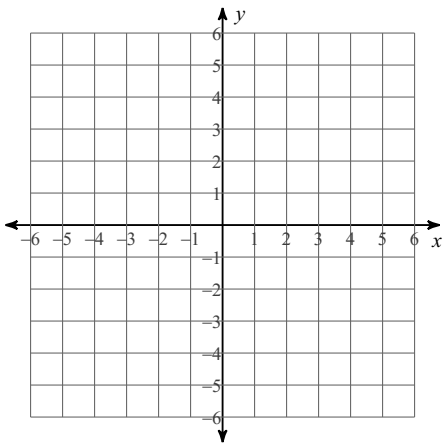
31) $y = -8x + 5$



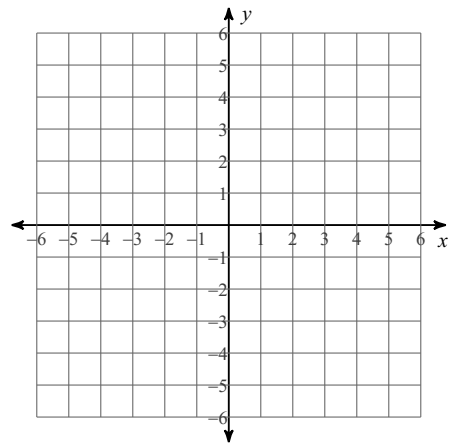
32) $y = -4x - 5$



33) $y = -3x - 3$



34) $y = -x - 1$



$$35) y = \frac{4}{5}x - 1$$

