

Solve each equation.

1) $|-4a| = 8$

2) $|k + 4| = 9$

3) $|k + 1| = 7$

4) $|8k| = 56$

5) $|3x| = 6$

6) $\left|\frac{r}{9}\right| = 3$

7) $8(-a + 6) - 4a = 108$

8) $-175 = -7(1 - 8x)$

9) $-6 + 6(8m + 1) = 336$

10) $-6(4 - 8x) = -360$

11) $-220 = -5(-5n + 4)$

12) $3(1 - 6k) = -105$

Evaluate each using the values given.

13) $y(y + z)$; use $y = 3$, and $z = 5$

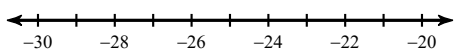
14) $(z - y)^3$; use $y = 4$, and $z = 5$

15) $qp - m$; use $m = 1$, $p = 6$, and $q = 6$

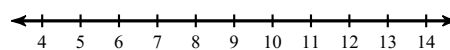
16) xy^2 ; use $x = 2$, and $y = 2$

Solve each inequality and graph its solution.

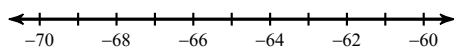
17) $12 + x \geq -14$



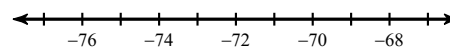
18) $-168 > -21x$



19) $-3 > \frac{x}{22}$



20) $-3 > \frac{n}{25}$



Solve each problem.

21) 116 is 97% of what?

22) 10 is what percent of 34?

23) 140% of 104 is what?

24) 19 is 54% of what?