

Name _____

Find the greatest common factor (GCF) and least common multiple (LCM).

1. 36 and 48

2. 26 and 39

3. 12 and 35

Order from least to greatest.

4. $-\frac{4}{9}, -\frac{6}{11}, -\frac{2}{7}$

5. 50.53, 50.05, 5.05, 55.3

6. $\sqrt{40}, \frac{17}{3}, 5.9$

Simplify.

7. $\frac{3(85 - 4)}{9} - \frac{(-5)^3 + 5}{5}$

8. $\left(\frac{5}{6} \cdot \frac{3}{5}\right)^2 - 2 + \frac{2}{7}\left(-\frac{7}{8}\right)$

9. $\sqrt{3.24} + (0.05)^2$

Multiply or divide.

10. $(2.6 \times 10^4)(6.4 \times 10^8)$

11. $\frac{3.45 \times 10^9}{1.25 \times 10^3}$

12. $(8.86 \times 10^{-4})(4.3 \times 10^2)$

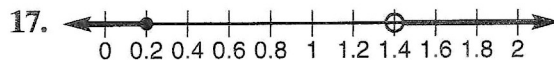
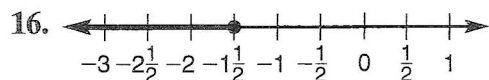
Solve.

13. $\frac{1}{2}(m + 4) = -\frac{3}{4}$

14. $\left|\frac{r}{4} + 5\right| = 18$

15. $-2\frac{1}{2}y + y > -8 + 18$

Write an inequality or compound inequality for each graph.



Rename each decimal as a fraction or mixed number in lowest terms.

18. $0.\overline{26}$

19. $3.\overline{09}$

20. $1.\overline{123}$
