1. 1 | -4 | -2 | -2 | -8
2. Use inequality notation to describe
   a. all real numbers less than 3
   b. set of real numbers that are less than 4 and at least –2
3. a. Find the distance between –43 and 16.
   b. Use the absolute notation to describe distance between x and 16 is no more than 5.
4. What is the degree of $12x^3 + 5x^2 + 2$.
5. Evaluate $6x^2 – 2x$ for $x = 3$.
6. Identify the property $5(1/5 + x) = 5(1/5) + 5x$
   $3 + (2 + 7) = (3 + 2) + 7$
   $(7 \times 2) \times 4 = 4 \times (7 \times 2)$
7. Evaluate $–2x^0 y^2$ for $y = 2 \ x = 1$
8. Evaluate $\frac{4(2)^{-1}}{3^{-5/2}}$
9. Simplify $\left(\frac{x^{-5} y^2}{z^2}\right)^{-3}$
10. Simplify
    a. $(–3x^2)^2 (–3x^2)^2 (–3x^2)^4$
    b. $\left(\frac{1}{64}\right)^{3/2}$
11. Simplify and write answers with no exponents. $\frac{–3y^2}{(2y)^{-3}}$
12. Simplify $\sqrt[3]{75x^2 y^5}$
   $\sqrt[3]{x^3 n^7}$
(be careful) $\sqrt{25n^2}$

13. Rationalize $\frac{3}{\sqrt{7} + 2}$

14. Simplify $\sqrt[6]{8x^3y^3}$

15. Divide $\frac{4x - 16}{5x + 15} \div \frac{4 - x}{2x + 6}$

16. Add $\frac{4}{x + 2} + \frac{7}{x - 3}$

17. Simplify $\frac{1}{x} - \frac{1}{xy}$

18. Find the distance between the points (3, 17) and (-2, 5).

19. Find the midpoint of the line joining (-2, 1) with (16, 3).

20. Find the standard form of the equation, of a circle whose center is (-3, 4) and radius is 6.

$|5| \ |n| = 5 \ |n|

$\sqrt[7]{-2}$

$\sqrt{2}xy$

$-\frac{8}{5}$

$\frac{11x + 2}{(x + 2)(x - 3)}$

$\frac{y - x}{x^2y^2}$

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(7, 2)

$(x + 3)^2 + (y - 4)^2 = 3$