1. State the property of real numbers being used: 3x + 2y = 2y + 3x
2. State the property of real numbers being used: (a + b)(a – b) = (a – b)(a + b)
3. Rewrite the expression using the given property of real numbers:

Associative Property of multiplication, 7(3x) = \_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Rewrite the expression using the given property of real numbers:

Distributive Property, 5x + 5y = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Express the interval in terms of inequalities, and then graph the interval.

[ -2, 6)

🡨 ------------------------------------------------------------------------------------------🡪

1. Express the interval in terms of inequalities, and then graph the interval.

( -∞, 4]

🡨 ------------------------------------------------------------------------------------------🡪

1. Express the inequality in interval notation, and then graph the corresponding interval.

X > 5

🡨 ------------------------------------------------------------------------------------------🡪

1. Express the inequality in interval notation, and then graph the corresponding interval.

-1 < x < 5

🡨 ------------------------------------------------------------------------------------------🡪

1. Find the indicated set if: A = { 1, 2, 3, 4, 5, 6, 7} B = {x| x < 4} C = {x| -1 < x < 5}

B U C =

1. Find the indicated set if: A = { 1, 2, 3, 4, 5, 6, 7} B = {x| x < 4} C = {x| -1 < x < 5}

B ∩ C =

1. Find the indicated set if: A = { 1, 2, 3, 4, 5, 6, 7} B = {x| x < 4} C = {x| -1 < x < 5}

A ∩ B ∩ C

1. Given: { 0, -10, 50, $\frac{22}{7}$, 0.583, $\sqrt{7}$, 1.32̅, $-\frac{13}{15}$, $\sqrt{16}$, 3.14, $\frac{15}{3}$},

List the elements in the set of natural numbers:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Given: { 0, -10, 50, $\frac{22}{7}$, 0.583, $\sqrt{7}$, 1.32̅, $-\frac{13}{15}$, $\sqrt{16}$, 3.14, $\sqrt[3]{2}$},

List the elements in the set of irrational numbers

1. Evaluate: | 3 - | -9 ||
2. Evaluate: 1 - | 1 - | -1 | |
3. Evaluate: $2^{-3}$ - $3^{-2}$
4. Evaluate: $\sqrt[3]{-125}$
5. Evaluate: $216^{-\frac{1}{3}}$
6. Evaluate: $64^{\frac{2}{3}}$
7. Evaluate: $\frac{\sqrt{242}}{\sqrt{2}}$
8. Evaluate: $\sqrt[4]{4}$ $\sqrt[4]{324}$
9. Evaluate: $2^{\frac{1}{2}}$ $8^{\frac{1}{2}}$
10. Evaluate: $\sqrt{2}$ + $\sqrt{50}$
11. Evaluate: $\sqrt{75}$ + $\sqrt{48}$
12. Rewrite $\sqrt[3]{7^{2}}$ as an exponential expression
13. Rewrite $11^{\frac{-3}{2}}$ as a radical expression
14. Rationalize the denominator: $\frac{1}{\sqrt{10}}$
15. Rationalize the denominator: $\sqrt{\frac{5}{12}}$
16. Rationalize the denominator: $\frac{x}{y^{\frac{2}{5}}}$
17. Simplify: $\frac{x^{2}(2x)^{4}}{x^{3}}$
18. Simplify$: (a^{2})^{-3}$($a^{3}b)^{2}(b^{3})^{4}$
19. Simplify: (3x$y^{2})^{3}(\frac{2}{3}x^{-1}y)^{2}$
20. Simplify: $(\frac{r^{2}s^{\frac{4}{3}}}{r^{\frac{1}{3}}s})^{6}$
21. Simplify: $\sqrt[3]{(x^{3}y)^{2}y^{4}}$
22. Simplify: $\sqrt{x^{2}y^{4}}$
23. Simplify: $(\frac{9x^{3}y}{y^{-3}})^{\frac{1}{2}}$
24. Simplify: ($\frac{x^{-2}y^{3}}{x^{2}y})^{^{-1}/\_{2}}$($\frac{x^{3}y}{y^{\frac{1}{2}}})^{2}$
25. Simplify: $\frac{8r^{{1}/{2}}s^{-3}}{2r^{-2}s^{4}}$
26. Simplify: $(\frac{ab^{2}c^{-3}}{2a^{3}b^{-4}})^{-2}$