$$\frac{3}{15} + x = -31 - 15 \quad 2x - 18 = 22^{18} \quad \cancel{x} = -25 = 10^{15}$$

$$x = -46$$

$$x = 40$$

$$x = 40$$

$$x = 40$$

$$x = 40$$

$$x = 60$$

1.
$$8x(4) = +1274$$

 $8x(4) = +1274$
 $8x(4) = 16$
 $8x(4) = 16$
 $8x(4) = 16$
 $8x(4) = 16$
 $8x(4) = 16$

2.
$$\frac{m^{2}}{3} = 12^{2}$$

 $m = 36$

3.
$$15 = 5x - 10$$

$$5x - 10 = 15 + 10$$

$$5x = 35$$

$$x = 5$$

4.
$$7^{\frac{1}{4}} - 7^{\frac{1}{4}} = 21^{3}$$

$$21 - 7 = 63$$

$$7^{\frac{1}{4}} - 7^{\frac{1}{4}} = 63$$

$$7^{\frac{1}{4}} - 7^{\frac{1}{4}} = 6$$

$$7^{\frac{1}{4}} - 7^{\frac{1}{4}} = 6$$

5.
$$6x - 4x = 24$$

$$2x = 24$$

$$3x = 24$$

$$x = 12$$

6.
$$5x - 13 = 3x - 1 + 13$$

 $5x = 3x - 1 + 13$
 $5x = 3x + 12$
 $5x = 3x + 12$
 $5x - 3x = 12$
 $2x = 12$
 $x = 6$

7.
$$-5m + 10 = 10m - 20$$
 8. $3x^{2} - x^{2} = 10^{22}$

$$-5m - 10m = -20 - 10$$

$$-15m = -30$$

$$-15m = -30$$

$$-15 = -30$$

$$-15 = -4$$

$$-15 = -4$$

3.
$$3x^{2} - x^{2} = 10^{2}$$

$$6x - 1x = 20$$

$$5x = 20$$

$$x = 4$$

9.
$$4n - 6 + 2n + 2 = 2n - 8$$
 $6n - 4 = 2n - 8$
 $6n - 3n = -8 + 4$
 $4n = -4$
 $1 = -4$

10.
$$10^{\frac{13}{2}} \frac{b^{\frac{13}{2}}}{5^{\frac{13}{2}}} = 8^{\frac{13}{2}}$$

$$30 = 5 - 34$$

$$5(-34) = 30 + 34$$

$$5 = 54$$

The Ultimate Question

$$\frac{2x}{6} + 2 = \frac{4x}{3} + 4^{2}$$

$$\frac{2x}{3} + 13 = \frac{3+x}{3} + 3+$$

$$\frac{2x}{3} + 3+$$

$$\frac{2x}{3}$$