

Rewrite in radical form.

1.  $2^{\frac{5}{3}}$

2.  $(a^8)^{\frac{3}{2}}$

Rewrite in exponential form.

3.  $(\sqrt[4]{m})^3$

Solve.

4.  $(81m^6)^{\frac{1}{2}}$

5.  $(27p^6)^{\frac{5}{3}}$

6.  $\left(\frac{4}{9}\right)^{-1/2}$

Decide whether the lines are parallel, perpendicular, or neither.

1.  $2y + 3x = 5$

2.  $x + y = 5$

$3y - 2x = 5$

$x + y = -10$

3.  $y = \frac{2}{3}x - 2$

4.  $y = -2x + 3$

$x + y = 4$

$2x - 4y = 8$

5.  $3x - 8y = 11$

6.  $2y + 3x = 5$

$3x - 6y = 10$

$3y - 2x = 5$