

Evaluate the following radical expressions

1)  $\sqrt{81}$

2)  $\sqrt[3]{8}$

3)  $\sqrt{-16}$

4)  $\sqrt[3]{-27}$

5)  $\sqrt[3]{\frac{1}{27}}$

6)  $\sqrt[4]{81}$

7)  $-\sqrt{4}$

8)  $5\sqrt{36}$

Simplify the following radical expressions completely

9)  $\sqrt{12}$

10)  $5\sqrt{18}$

11)  $\sqrt{48}$

12)  $\sqrt{\frac{50}{x^2}}$

13)  $\sqrt{24x^2y^2}$

14)  $\sqrt{20x^2y}$

**ADD or SUBTRACT as indicated. SIMPLIFY your answers Completely**

15)  $5\sqrt{2} + 8\sqrt{2}$

16)  $6\sqrt{3} - \sqrt{3} + 7\sqrt{3}$

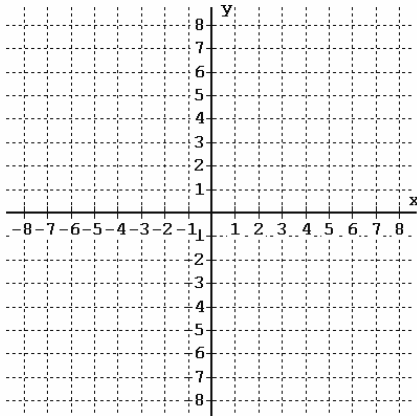
17)  $6\sqrt{5} + 2\sqrt{7} + 3\sqrt{5}$

18)  $\sqrt{12} + \sqrt{27}$

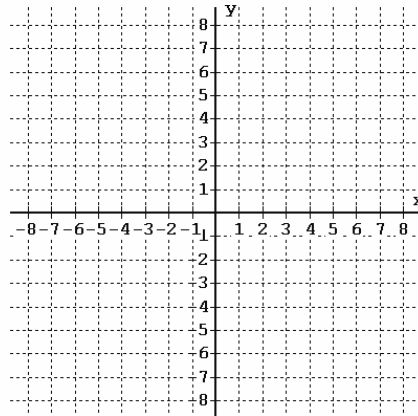
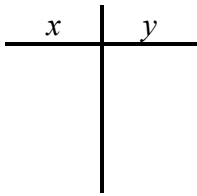
19)  $\sqrt{2} + \sqrt{24} - \sqrt{18}$

20)  $5\sqrt{27} - 3\sqrt{12}$

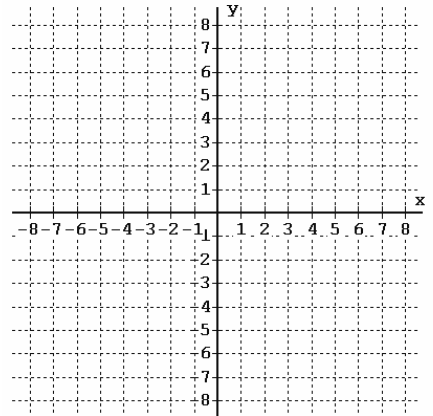
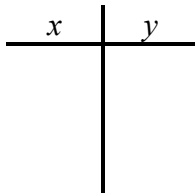
Graph the following lines



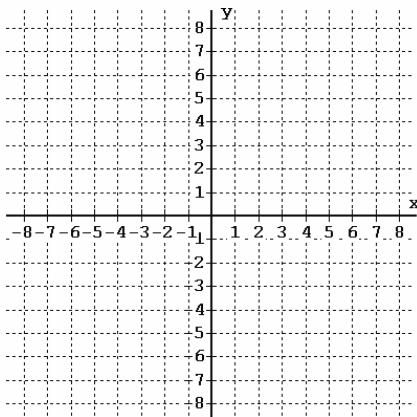
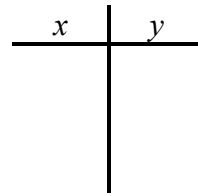
21)  $y = x + 2$



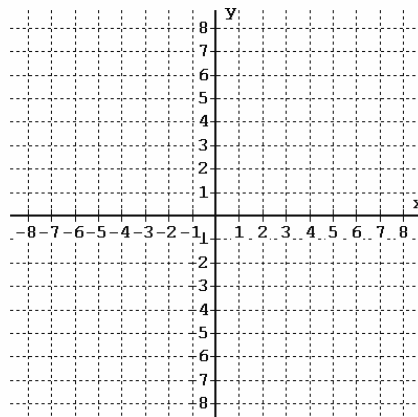
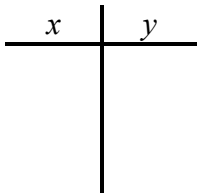
22)  $y = 3x - 1$



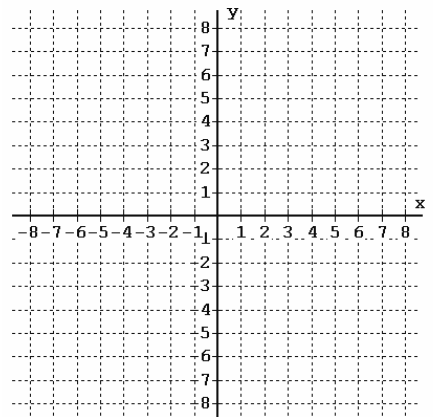
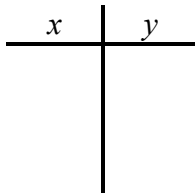
23)  $x + 3y = 6$



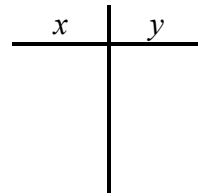
24)  $y = 3$



25)  $2x - 3y = 12$



26)  $x = 4$



27) Find the x-intercept of  $y = 3x - 4$

28) Find the y-intercept of  $x - 2y = 5$