16. **Step 1:** $\sqrt{197}$

Step 2: $\left(\dfrac{3}{2}\ ,\ 1\right)$

17. **Step 1:** x-intercept $= (8,\ 0)$ and y-intercept $= (0,\ 4)$

Step 2:

Answer:
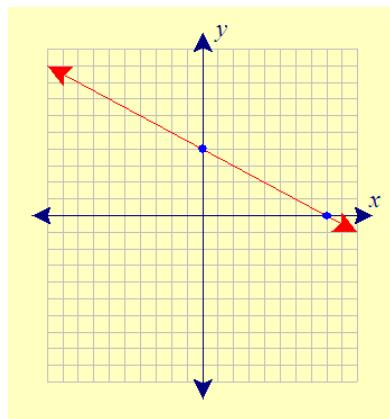
18. -2

19. **Step 1:** $y\ =\ -4x\ +\ 11$

Step 2:
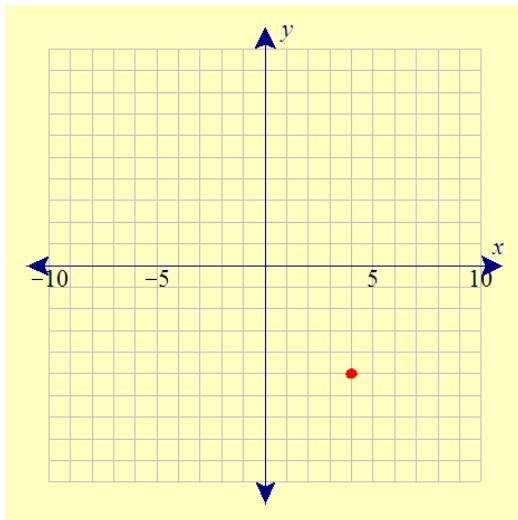
Answer: $y\ =\ \boxed{-5}$
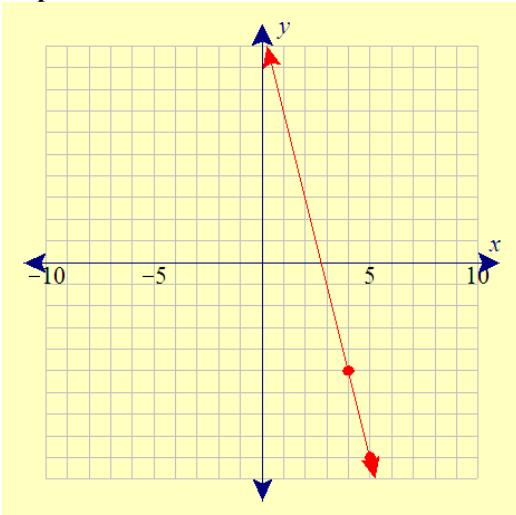
Step 3:

Answer: y = [−9]

20. $y = \dfrac{-3}{4}\,x\,+\,8$

21. $y = \dfrac{10}{13}\,x\,+\,\dfrac{6}{13}$

22. **Step 1:** $y = -\dfrac{2}{3}\,x\,+\,\dfrac{7}{2}$

Step 2: $y = -\dfrac{2}{3}\,x\,+\,6$

23. **Step 1:** $y = \dfrac{-1}{10}\,x\,+\,\dfrac{2}{5}$

Step 2: $y = 10x\,-\,67$

24. **Step 1:** $y = \dfrac{3}{5}\,x\,-\,\dfrac{3}{5}$

Step 2: $y = \dfrac{-5}{3}\,x\,-\,\dfrac{1}{6}$

Step 3: Yes

4

**25.**
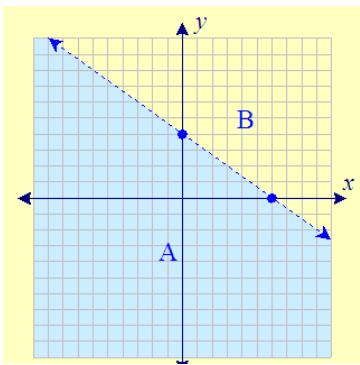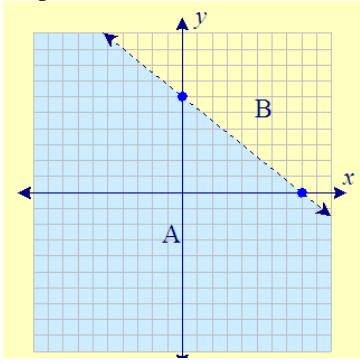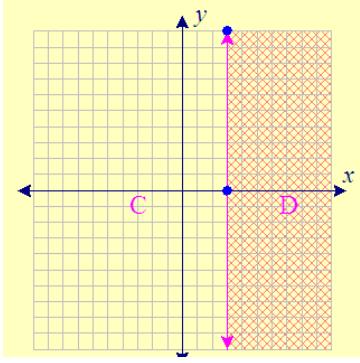
26. **Step 1:**

Step 2:

Step 3:

A) the union of the individual solution sets
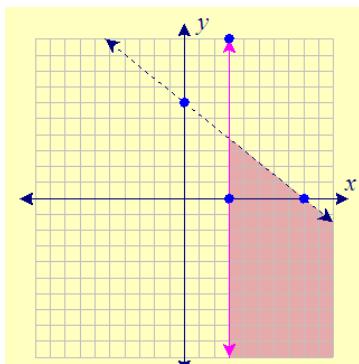
B) the intersection of the individual solution sets

27. $(x + 6)^2 + (y + 2)^2 = 4$

28. **Step 1:** $(9,\ 7)$

    Step 2: 6

    Step 3:

29. **Step 1:** $(5,\ -9)$

    Step 2: 8

Step 3: