1.
$$3x - 6y + 1 = 0$$
 $\sqrt{3 \choose -1}$

2. $-6x - 7 + 3 = 0$ $\sqrt{3 \choose -1}$

3. $\sqrt{3} \begin{pmatrix} 5 \\ 2 \end{pmatrix}$

-6 = 5 $x = 2$ $\sqrt{7} \begin{pmatrix} 2 \\ -5 \end{pmatrix}$

4. $\frac{1}{2} \begin{pmatrix} -6 \\ 3 \end{pmatrix}$

7. $\frac{1}{3} \begin{pmatrix} -6 \\ 3 \end{pmatrix}$

9. $\frac{1}{3} \begin{pmatrix} -6 \\ 3 \end{pmatrix}$

10. $\frac{1}{3} \begin{pmatrix} -6 \\ 3 \end{pmatrix}$

11. $\frac{1}{3} \begin{pmatrix} -6 \\ 3 \end{pmatrix}$

12. $\frac{1}{3} \begin{pmatrix} -6 \\ 3 \end{pmatrix}$

13. $\frac{1}{3} \begin{pmatrix} -6 \\ 3 \end{pmatrix}$

14. $\frac{1}{3} \begin{pmatrix} -6 \\ 3 \end{pmatrix}$

15. $\frac{1}{3} \begin{pmatrix} -6 \\ 3 \end{pmatrix}$

16. $\frac{1}{3} \begin{pmatrix} -6 \\ 3 \end{pmatrix}$

17. $\frac{1}{3} \begin{pmatrix} -6 \\ 3 \end{pmatrix}$

18. $\frac{1}{3} \begin{pmatrix} -6 \\ 3 \end{pmatrix}$

19. $\frac{1}{3} \begin{pmatrix} -6 \\ 3 \end{pmatrix}$

10. $\frac{1}{3} \begin{pmatrix} -6 \\ 3 \end{pmatrix}$

11. $\frac{1}{3} \begin{pmatrix} -6 \\ 3 \end{pmatrix}$

12. $\frac{1}{3} \begin{pmatrix} -6 \\ 3 \end{pmatrix}$

13. $\frac{1}{3} \begin{pmatrix} -6 \\ 3 \end{pmatrix}$

14. $\frac{1}{3} \begin{pmatrix} -6 \\ 3 \end{pmatrix}$

15. $\frac{1}{3} \begin{pmatrix} -6 \\ 3 \end{pmatrix}$

16. $\frac{1}{3} \begin{pmatrix} -6 \\ 3 \end{pmatrix}$

17. $\frac{1}{3} \begin{pmatrix} -6 \\ 3 \end{pmatrix}$

18. $\frac{1}{3} \begin{pmatrix} -6 \\ 3 \end{pmatrix}$

19. $\frac{1}{3} \begin{pmatrix} -6 \\ 3 \end{pmatrix}$

1

Exercises Spotted Geometry

11.
$$0(6;1)$$
 $\frac{3}{5}z+y+\frac{7}{5}=0$ $\overline{n}(\frac{7}{5})$ d $x-\frac{7}{5}y+e=0$

$$\begin{cases}
\frac{3}{4}z+y+\frac{7}{5}=0 \\
x-\frac{7}{4}y-\frac{7}{4}=0
\end{cases} \Rightarrow \begin{cases}
\frac{23}{12}x+\frac{7}{4}=0 \\
x-\frac{7}{4}y-\frac{7}{4}=0
\end{cases} \Rightarrow \begin{cases}
\frac{23}{12}x+\frac{7}{4}=0 \\
x-\frac{7}{4}x-\frac{7}{4}=0
\end{cases} \Rightarrow \begin{cases}
\frac{23}{12}x+\frac{7}{4}=0 \\
x+\frac{7}{4}x-\frac{7}{4}=0
\end{cases} \Rightarrow \begin{cases}
\frac{23}{12}x+\frac{7}{4}=0 \\
x+\frac{7}{4}x-\frac{7}{4}=0
\end{cases} \Rightarrow \begin{cases}
\frac{23}{12}x+\frac{7}{4}=0 \\
x+\frac{7}{4}x+\frac{7}{4}=0
\end{cases} \Rightarrow \begin{cases}
\frac{23}{12}x+\frac{7}{4}=0
\end{cases} \Rightarrow \begin{cases}
\frac{23}{12$$

45.
$$\mathbf{z}' + 7\mathbf{z} = (\mathbf{z} + \frac{\pi}{2})^2 - \frac{49}{4} + (\mathbf{y} + 0)^2 + 2 = 0$$

$$(\mathbf{z} + \frac{\pi}{2})^2 - \frac{49}{4} + (\mathbf{y} + 0)^2 + 2 = 0$$

$$(\mathbf{z} + \frac{\pi}{2})^2 + (\mathbf{y} + 0)^2 = \frac{41}{4} \qquad c = 5\frac{\pi}{4}$$
(entre $(-\frac{\pi}{2}; 0)$

16.
$$x^{2} + \alpha = (x + \frac{1}{2})^{2} - \frac{1}{4}$$
 $y' - y = (y - \frac{1}{2})^{2} - \frac{1}{4}$
 $(x + \frac{1}{2}) - \frac{1}{4} + (y - \frac{1}{2})^{2} - \frac{1}{4} = 0$
 $(x + \frac{1}{2}) + (y - \frac{1}{2})^{2} = \frac{1}{2}$ $(x + \frac{1}{2}) + (y - \frac{1}{2})^{2} = \frac{1}{2}$
 $(x + \frac{1}{2}) + (y - \frac{1}{2})^{2} = \frac{1}{2}$ $(x + \frac{1}{2}) + (y - \frac{1}{2})^{2} = \frac{1}{2}$
 $(x + \frac{1}{2}) + (y - \frac{1}{2})^{2} = \frac{1}{2}$ $(x + \frac{1}{2})^{2} - \frac{1}{2}$

17.
$$x^2 + 4x = (x + 2)^2 - 4$$
 $y^2 - 5y = (y^2 + 4x)^2 - 4 + (y - \frac{5}{2})^2 \cdot \frac{25}{4} = 0$
 $(x + 2)^2 + (y - \frac{5}{2})^2 = \frac{41}{4}$ $r = \sqrt{\frac{41}{4}}$
 $(x + 2)^2 + (y - \frac{5}{2})^2 = \frac{41}{4}$

12.
$$21^2 = (x+0)^2 \quad y^2 - 6y = (y-3)^2 - 3$$

$$(x+0)^2 + (y-3)^2 - 9 + 12 = 0$$

$$(x+0)^2 + (y-3)^2 = -3$$
Pas un corde

13.
$$z^2 \cdot 2x = (x - 1)^2 - 1$$

 $(x - 1)^2 - 1 + (y - 3)^2 - 9 + 10 = 0$
 $(x - 1)^2 + (y - 3)^2 = 0$ (=0)
 $(x - 1)^2 + (y - 3)^2 = 0$