

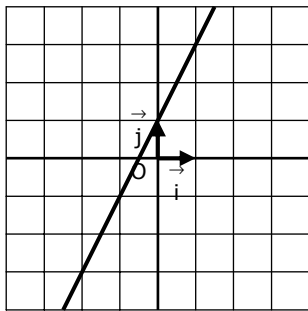
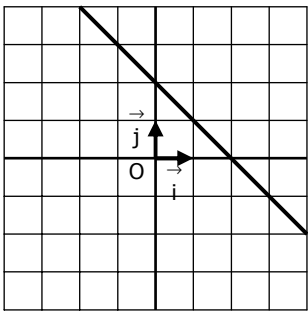
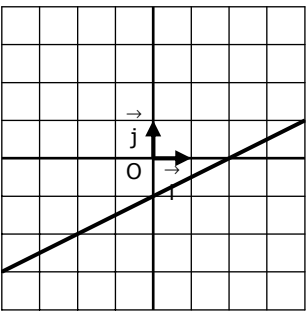
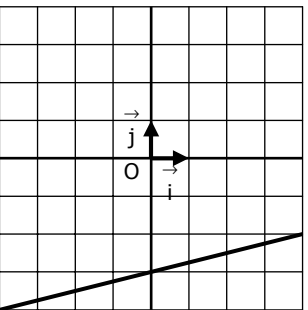
**EXERCICE 3.1**

Dans chaque cas, déterminer les coefficients  $a$  et  $b$  de la fonction affine  $f$  dont on connaît deux points et leurs images.

<p><b>1.</b> <math>f(2) = 4</math> et <math>f(5) = -2</math></p> <p>• Calcul de <math>a</math> :</p> $a = \frac{f(u) - f(v)}{u - v}$ $a = \frac{f(2) - f(5)}{2 - 5}$ $a = \frac{4 - (-2)}{2 - 5}$ $a = \frac{6}{-3}$ <p><span style="border: 1px solid black; padding: 2px;"><math>a = -2</math></span></p>	<p><b>2.</b> <math>f(3) = 1</math> et <math>f(5) = 7</math></p> <p>• Calcul de <math>a</math> :</p>	<p><b>3.</b> <math>f(-4) = 5</math> et <math>f(-1) = 2</math></p> <p>• Calcul de <math>a</math> :</p>	<p><b>4.</b> <math>f(-1) = 5</math> et <math>f(1) = -5</math></p> <p>• Calcul de <math>a</math> :</p>
<p>• Calcul de <math>b</math> :</p> $f(x) = ax + b$ $\Leftrightarrow 4 = -2 \times 2 + b$ $\Leftrightarrow 4 = -4 + b$ $\Leftrightarrow 4 + 4 = b$ $\Leftrightarrow 8 = b$	<p>• Calcul de <math>b</math> :</p>	<p>• Calcul de <math>b</math> :</p>	<p>• Calcul de <math>b</math> :</p>

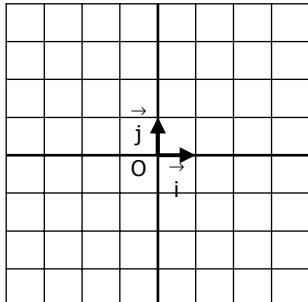
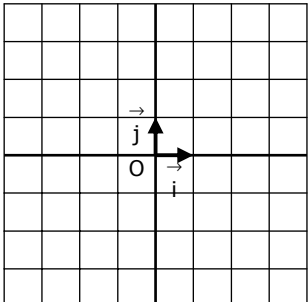
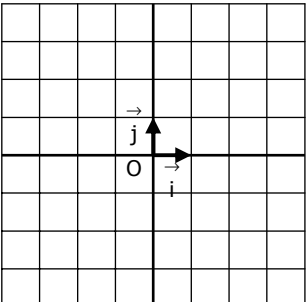
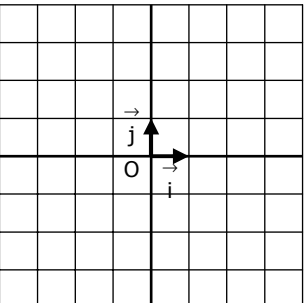
**EXERCICE 3.2**

Déterminer graphiquement l'expression de la fonction affine dont on a tracé la courbe :

<p><b>1.</b></p>  <p><math>f : x \mapsto \dots\dots\dots</math></p>	<p><b>2.</b></p>  <p><math>f : x \mapsto \dots\dots\dots</math></p>	<p><b>3.</b></p>  <p><math>f : x \mapsto \dots\dots\dots</math></p>	<p><b>4.</b></p>  <p><math>f : x \mapsto \dots\dots\dots</math></p>
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**EXERCICE 3.3**

Tracer la courbe de la fonction affine dont on a donné l'expression :

<p><b>1.</b></p> <p><math>f : x \mapsto -2x + 3</math></p> 	<p><b>2.</b></p> <p><math>f : x \mapsto 3x - 5</math></p> 	<p><b>3.</b></p> <p><math>f : x \mapsto \frac{2}{3}x + 1</math></p> 	<p><b>4.</b></p> <p><math>f : x \mapsto \frac{-3}{4}x - 1</math></p> 
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