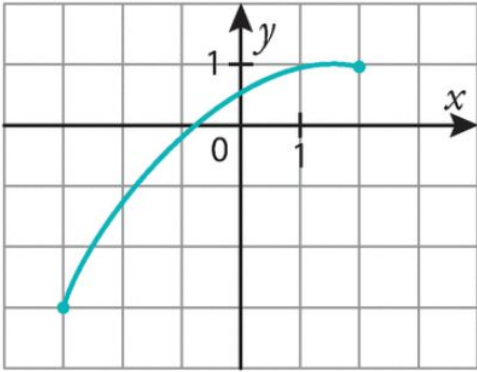
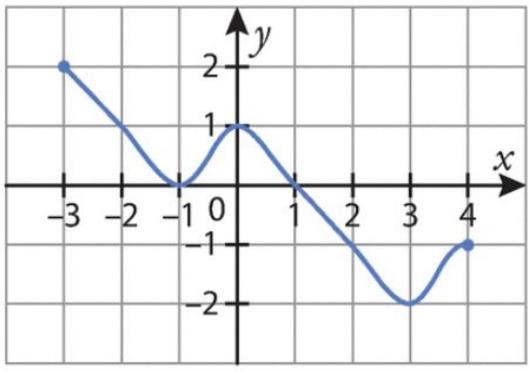
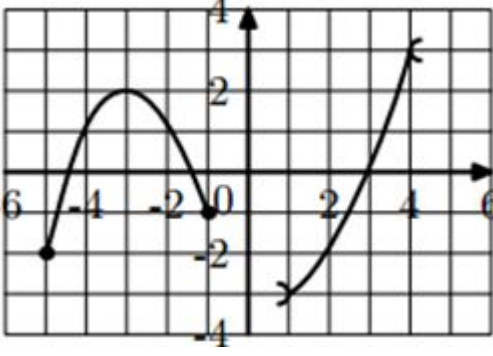
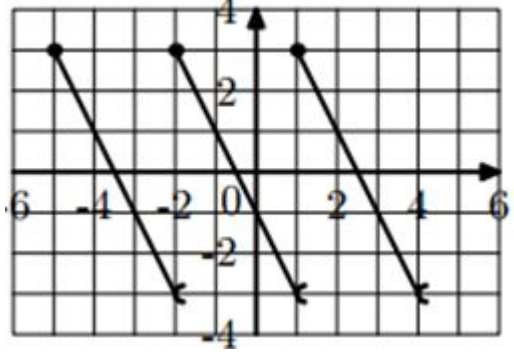
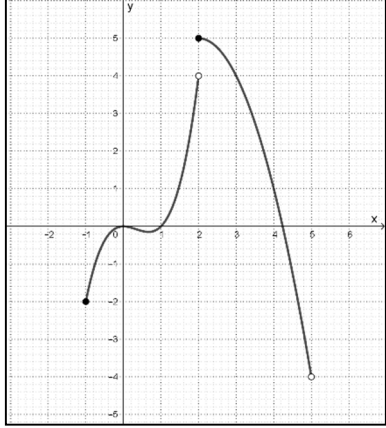
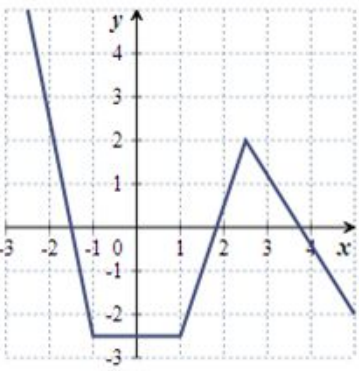
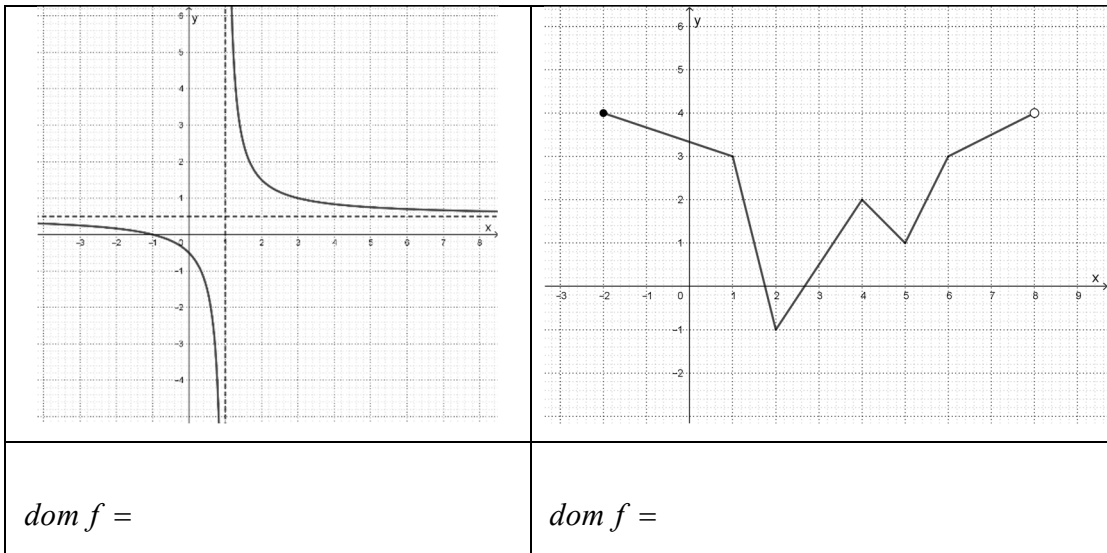


Exercices de renforcement

2. Domaine de définition

1. Détermine le domaine de définition de chaque fonction :

	
<p>$dom f =$</p>	<p>$dom f =$</p>
	
<p>$dom f =$</p>	<p>$dom f =$</p>
	
<p>$dom f =$</p>	<p>$dom f =$</p>



2. Pose les conditions d'existence et détermine le domaine de définition des fonctions suivantes :

$$(1) f(x) = 3 + 2\sqrt{x}$$

$$(2) f(x) = \frac{5+x}{10-x}$$

$$(3) f(x) = 4x + \frac{1}{x}$$

$$(4) f(x) = \frac{3x}{2x^2 + 8x}$$

$$(5) f(x) = 3x^3 - 3x$$

$$(6) f(x) = \frac{1}{x^2 - 1}$$

$$(7) f(x) = \sqrt{3-4x}$$

$$(8) f(x) = \frac{\sqrt{3x+4}}{\sqrt{x-1}}$$

$$(9) f(x) = \sqrt{-2x}$$

$$(10) f(x) = \frac{1}{2x^2 - 8x + 8}$$

$$(11) f(x) = \frac{3}{\sqrt{3x-6}}$$

$$(12) f(x) = \frac{\sqrt{2-x}}{\sqrt{5x-1}}$$

$$(13) f(x) = \sqrt{1-x} + \sqrt{2x+3}$$

$$(14) f(x) = \frac{1}{x-2} + \frac{1}{x+2}$$

$$(15) f(x) = \frac{3x+1}{4x^2-36}$$

$$(16) f(x) = \frac{3x+1}{(2x+3)(2x-3)}$$

$$(17) f(x) = \frac{2}{x+3} + \frac{3}{x}$$

$$(18) f(x) = \frac{\sqrt{x}}{x-1}$$

3. Invente l'expression analytique d'une fonction dont le domaine de définition est $[1; 4[$.