Coordonnées 1. Corrigé

Question 1	$\overrightarrow{AB}(6-3;2-5) \Rightarrow \overrightarrow{AB}(3;-3)$
Question 2	$AB = \sqrt{(3-1)^2 + (4-3)^2} = \sqrt{4+1} = \sqrt{5}$
Question 3	$M\left(\frac{1+6}{2};\frac{3+4}{2}\right) \Rightarrow M\left(\frac{7}{2};\frac{7}{2}\right)$
Question 4	$M\left(\frac{-1+\frac{1}{2}}{2};\frac{5-2}{2}\right) \Rightarrow M\left(\frac{-\frac{1}{2}}{2};\frac{3}{2}\right) \Rightarrow M\left(-\frac{1}{4};\frac{3}{2}\right)$
Question 5°	$AB = \sqrt{(3+1)^2 + (4-5)^2} = \sqrt{16+1} = \sqrt{17}$
Question 6°	$\overrightarrow{AB}\left(-8-\frac{1}{2};-3-2\right) \Rightarrow \overrightarrow{AB}\left(-\frac{17}{2};-5\right)$
Question 7°	$AB = \sqrt{(-3+3)^2 + (-3-1)^2} = \sqrt{0+16} = 4$
Question 8°	$M\left(\frac{-\frac{3}{2}+3}{2};\frac{2-2}{2}\right) \Rightarrow M\left(\frac{\frac{3}{2}}{2};0\right) \Rightarrow M\left(\frac{3}{4};0\right)$
Question 9°	$M\left(\frac{\frac{1}{3}-3}{2};\frac{2-3}{2}\right) \Rightarrow M\left(\frac{\frac{-8}{3}}{2};-\frac{1}{2}\right) \Rightarrow M\left(-\frac{8}{6};-\frac{1}{2}\right)$ Donc $M\left(-\frac{4}{3};-\frac{1}{2}\right)$
Question 10°	$\overrightarrow{AB}\left(-3-\frac{5}{7};1-3\right) \Rightarrow \overrightarrow{AB}\left(-\frac{26}{7};-2\right)$