Derivatives

Basic

Multiplication by Constant

1. $\dfrac{d}{dx}\left(3x\right)$

2. $\dfrac{d}{dv}\left(2v\right)$

3. $\dfrac{d}{dx}\left(\dfrac{x}{2}\right)$

4. $\dfrac{d}{dx}\left(\dfrac{2}{3}x\right)$

5. $\dfrac{d}{dx}\left(-5x\right)$

6. $\dfrac{d}{dx}\left(-2x\right)$

7. $\dfrac{d}{dx}\left(\sqrt{5}\,x\right)$

8. $\dfrac{d}{dy}\left(\dfrac{1}{2}y\right)$

9. $\dfrac{d}{dy}\left(3\sqrt{2}\,y\right)$

10. $\dfrac{d}{dx}\left(ax\right)$

Answers

Derivatives

Basic

Multiplication by Constant

1. 3

2. 2

3. $\dfrac{1}{2}$

4. $\dfrac{2}{3}$

5. -5

6. -2

7. $\sqrt{5}$

8. $\dfrac{1}{2}$

9. $3\sqrt{2}$

10. a