Practice worksheet | Integration

Power/exponential/trigonometric antiderivatives

Name: _____ Date: _____

6 questions | 18 marks

1. Find $\int (8x^3 + e^x)\,dx$. [3 marks]

2. Find $\int \sqrt{x}\,dx$ for $x > 0$. [3 marks]

3. Find $\int x^{-2}\,dx$ on $x > 0$. [3 marks]

4. Find $\int 4e^{-2x}\,dx$. [3 marks]

5. Find $\int 3\sin(2x)\,dx$. [3 marks]

6. Find $\int (2\cos x - \sin x)\,dx$. [3 marks]