Integration Review Problems - Using Tables

1) \[ \int x^2 \sqrt{x^2 - 7} \, dx \]

2) \[ \int \frac{\sqrt{5 - 3x}}{7x} \, dx \]

3) \[ \int \frac{2}{x (2x^4 - 7)^2} \, dx \]

4) \[ \int \frac{2x^9}{(3 - 5x^5)^2} \, dx \]

5) \[ \int \frac{x^5}{\sqrt{3 + x^3}} \, dx \]

6) \[ \int \frac{1}{x \sqrt{1 - x^6}} \, dx \]

7) \[ \int \frac{1}{e^x \sqrt{5 + e^{2x}}} \, dx \]

8) \[ \int \frac{1}{\tan x \sqrt{1 + \sin^2 x}} \, dx \]