

Differentiate

Name _____

Date _____

Use the power rule.

Problem	Answer	Problem	Answer
1. x^5		4. $\sqrt{x}$	
2. $4x^3 - 2x$		5. $3/x^2$	
3. 7		6. $x^{3/2}$	

Notes

Answer key — Differentiate

#	Problem	Answer
1	x^5	$5x^4$
2	$4x^3 - 2x$	$12x^2 - 2$
3	7	0
4	$\sqrt{x}$	$1/(2\sqrt{x})$
5	$3/x^2$	$-6/x^3$
6	$x^{(3/2)}$	$(3/2)x^{(1/2)}$

Notes