Find the intervals of increase and decrease for http://www.mhhe.com/media_library/testbank/0073051918/chapter_3_files/q15-1.png

1. Increasing on *x* http://www.mhhe.com/media_library/testbank/0073051918/characters/8804.png –2 and *x* http://www.mhhe.com/media_library/testbank/0073051918/characters/8805.png 8 , decreasing on  – 2 http://www.mhhe.com/media_library/testbank/0073051918/characters/8804.png *x* http://www.mhhe.com/media_library/testbank/0073051918/characters/8804.png 8
2. Increasing on *x* < –8 and *x* > 2, decreasing on –8 < *x* < 2
3. Increasing on –8 < *x* < 2, decreasing on *x* < –8 and *x* > 2
4. Increasing on *x* < –2 and *x* > 8, decreasing on –2 < *x* < 8

An equation for the tangent line to the curve http://www.mhhe.com/media_library/testbank/0073051918/chapter_2_files/q108-1.pngat the point where *x* = 0 is

1. *y* = 9*x* – 1
2. *y* = 18*x* + 1
3. *y* = 9*x* + 1
4. *y* = 18*x* – 1