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1. (1 pt) If  $f(x) = 5 \arcsin(x^3)$ , find  $f'(x)$ .

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2. (1 pt) If  $f(x) = 9x^3 \arctan(8x^3)$ , find  $f'(x)$ .

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3. (1 pt) If  $f(x) = 6 \sin(7x) \arcsin(x)$ , find  $f'(x)$ .

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4. (1 pt) If  $f(x) = 2 \arctan(6x)$ , find  $f'(x)$ .

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Find  $f'(1)$ .

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