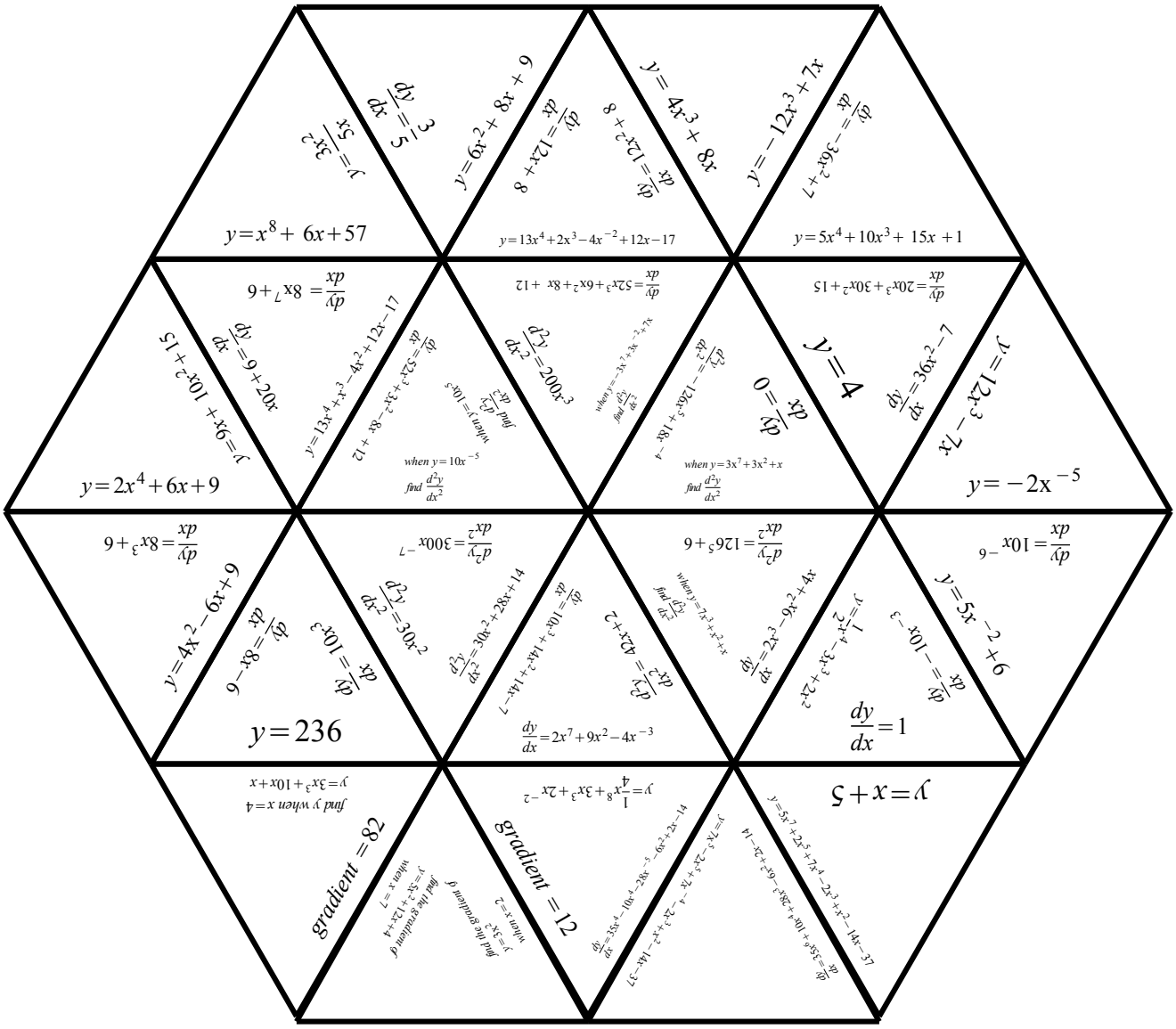

$y=x^8+6x+57$
$y=\frac{3x^2}{5x}$
$\frac{dy}{dx}=\frac{3}{5}$
$y=6x^2+8x+9$
$\frac{dy}{dx}=12x+8$
$y=13x^4+2x^3-4x^{-2}+12x-17$
$\frac{dy}{dx}=12x^2+8$
$y=4x^3+8x$
$y=-12x^3+7x$
$\frac{dy}{dx}=-36x^2+7$
$y=5x^4+10x^3+15x+1$
$\frac{dy}{dx}=20x^3+30x^2+15$
$y=2x^4+6x+9$
$y=9x+10x^2+15$
$\frac{dy}{dx}=9+20x$
$y=13x^4+x^3-4x^2+12x-17$
$\frac{dy}{dx}=52x^3+3x^2-8x+12$
when $y=10x^{-5}$
find $\frac{d^2y}{dx^2}$
$\frac{d^2y}{dx^2}=200x^3$
$\frac{dy}{dx}=52x^3+6x^2+8x+12$
when $y=-3x^7+3x^{-2}+7x$
find $\frac{d^2y}{dx^2}$
$\frac{d^2y}{dx^2}=-126x^5+18x-4$
when $y=3x^7+3x^2+x$
find $\frac{d^2y}{dx^2}$
$\frac{dy}{dx}=0$
$y=4$
$\frac{dy}{dx}=36x^2-7$
$y=12x^3-7x$
$y=-2x^{-5}$
$\frac{dy}{dx}=8x^3+6$
$y=4x^2-6x+9$
$\frac{dy}{dx}=8x-6$
$\frac{dy}{dx}=10x^3$
$y=236$
$\frac{d^2y}{dx^2}=30x^2$
$\frac{d^2y}{dx^2}=300x^{-7}$
$\frac{d^2y}{dx^2}=30x^2+28x+14$
$\frac{dy}{dx}=10x^3+14x^2+14x-7$
$\frac{dy}{dx}=2x^7+9x^2-4x^{-3}$
$\frac{d^2y}{dx^2}=42x+2$
$\frac{d^2y}{dx^2}=126^5+6$
when $y=7x^3+x^2+x$
find $\frac{d^2y}{dx^2}$
$\frac{dy}{dx}=2x^3-9x^2+4x$
$y=\frac{1}{2}x^4-3x^3+2x^2$
$\frac{dy}{dx}=-10x^{-3}$
$\frac{dy}{dx}=1$
$y=5x^{-2}+6$
$\frac{dy}{dx}=10x^{-6}$
$y=x+5$
$y=5x^7+2x^5+7x^4-2x^3+x^2-14x-37$
$\frac{dy}{dx}=35x^6+10x^4+28x^3-6x^2+2x-14$
$y=\frac{1}{4}x^8+3x^3+2x^{-2}$
$\frac{dy}{dx}=35x^4-10x^4-28x^{-5}-6x^2+2x-14$
$y=\frac{1}{4}x^8+3x^3+2x^{-2}$
$\frac{dy}{dx}=2x^7+9x^2-4x^{-3}$
$y=3x^3+10x+x$
find y when $x=4$
gradient $=82$
gradient $=12$
$y=5x^2+12x+4$
find the gradient of
when $x=7$
$y=3x^2$
find the gradient of
when $x=2$