**Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Functions (8.F.3)**

Which of these equations define *y* as a nonlinear function of *x*?

|  |  |
| --- | --- |
| Choose yes or no | Explain your thinking |
| A. $3y=2x-1.5$ Yes or No |  |
| B. $y=x2+3$  Yes or No |  |
| C. $y=1$  Yes or No |  |
| D. $5\left(x+y\right)=-25$  Yes or No |  |
| E. $y=x3$  Yes or No |  |
| F. $y=12-x2$  Yes or No |  |

Source: PARCC Spring 2018 Grade 8 Released Items <https://parcc-assessment.org/wp-content/uploads/2018/08/Math_2018_Released_Items/Grade08/Grade-8-Math-Item-Set-2018.pdf>