

Name: _____

Dueling Discounts

Math 6 Extended

\$20 OFF

Original Price (x)	Price with Coupon (y)
\$25	
\$35	
\$45	
\$55	
\$65	
\$75	
\$85	
\$95	
\$105	
\$115	
\$125	
\$135	
\$145	
\$155	
\$165	
\$175	
\$185	
\$195	
\$225	

20% OFF

Original Price (x)	Price with Coupon (y)
\$25	
\$35	
\$45	
\$55	
\$65	
\$75	
\$85	
\$95	
\$105	
\$115	
\$125	
\$135	
\$145	
\$155	
\$165	
\$175	
\$185	
\$195	
\$225	

More questions on the back!

1. Make a graph using the information in both tables. "Original Price" is the independent variable and will go on the x-axis. "Price with Coupon" is the dependent variable and will go on the y-axis. Be sure to label your graph!

2. What is the "break even" point? In other words, at what point does one coupon become the better deal?

Challenge: If you are allowed to use **both** coupons on **one** purchase, would it matter in which order you applied them?