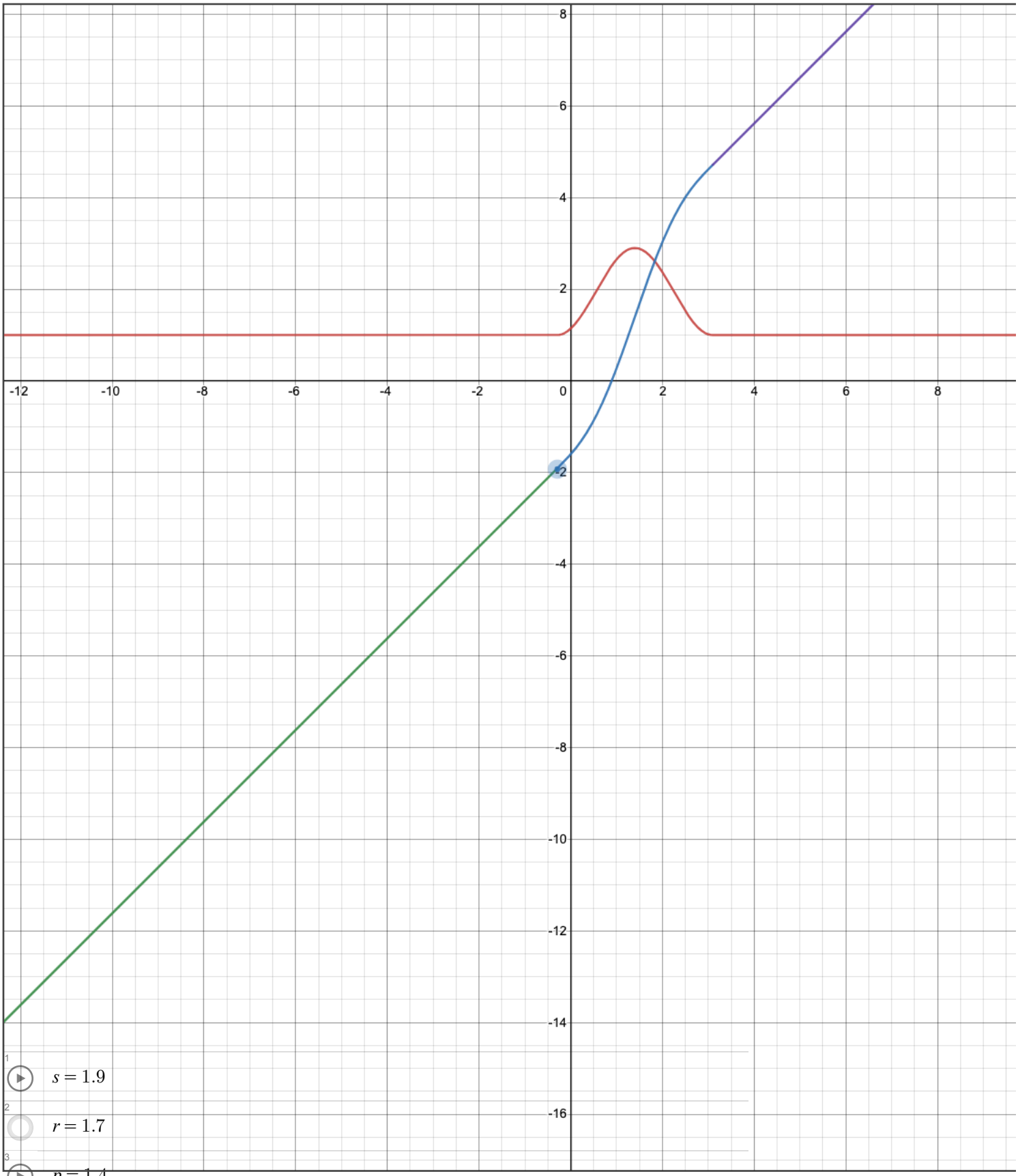

1 $s = 1.9$

2 $r = 1.7$

3 $p = 1.4$

4 $c = 0$

5 $h_1(t) = \frac{2+s}{2}t + \frac{rs}{2\pi}\sin\left(\frac{\pi}{r}(t-p)\right)$

6
$$j(t) = h(t) - h(p)$$

7
$$k(t) = 1 + \frac{1}{2}s\left(\cos\left(\frac{\pi}{r}(t-p)\right)+1\right)$$

8
$$y = \left\{ |x-p| < r : k(x), x < p - r : 1, x > p + r : 1 \right\}$$

9
$$y = \left\{ |x-p| < r : j(x) - j(p-r) + l(p-r) \right\}$$

10
$$y = \left\{ |x-p| < r : h(x) - h(p-r) + p + h(p-r) - h(p) \right\}$$

11
$$y = \left\{ x < p - r : l(x) \right\}$$

12
$$y = \left\{ x > p + r : x - r + j(p+r) \right\}$$

13
$$l(t) = t + r + j(p-r)$$

14
$$(p-r, l(p-r))$$

15
$$A = \frac{2+s}{2}$$

$A = 1.95$

16
$$B = \frac{rs}{2\pi}$$

$B = 0.514070466187$

17
$$C = \frac{\pi}{r}$$

$C = 1.84799567858$

18
$$h(x) = Ax + B\sin\left(C(x-p)\right)$$

19
$$y = \left\{ |x-p| < r : A(x-p) + B\sin\left(C(x-p)\right) + p \right\}$$

20
$$y = \left\{ x < p - r : x + r(1-A) + B\sin(Cr) \right\}$$

21
$$y = \left\{ x > p + r : x - r(1-A) + B\sin(Cr) \right\}$$

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