Neurons at this spot on the postcentral gyrus are likely to become more active when a spot of skin on the _____ is stimulated.

A) left cheek  
B) right hand  
C) left shoulder  
D) right hip  
E) left leg
Sensory receptor → Spinal cord → Ascending spinal pathway → Thalamus → Cerebral cortex

Rubbing may help to limit the effectiveness of synapses between nociceptive afferent neurons and spinal cord projection neurons.

Touching → Sensory afferent for touch → Painful stimulus

Damage → Sensory afferent for pain → Pain
Skin on the upper arm is innervated by sensory axons in spinal nerve:

A) C3
B) C5
C) C7
D) T1
E) T3